

Title (en)

METHOD OF MANUFACTURING A Z-SECTION COMPONENT FROM COMPOSITE MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER A-Z-QUERSCHNITTSKOMPONENTE AUS VERBUNDWERKSTOFF

Title (fr)

PROCÉDÉ DE FABRICATION D'UN COMPOSANT DE PROFIL Z À PARTIR D'UN MATÉRIAU COMPOSITE

Publication

EP 2139669 A1 20100106 (EN)

Application

EP 08738032 A 20080430

Priority

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- IT TO20070294 A 20070503

Abstract (en)

[origin: WO2008135913A1] What is described is a method of manufacturing a Z-section component from composite material, using a mould (12) having a convex mould portion (12a) and a concave mould portion (12b). The method includes the preparation of a vacuum bag (90) for a polymerization cycle, comprising the following stages: covering the fresh component with a layer of peel ply (60) formed from a plurality of strips of peel ply (61a, 61b, 61c); fixing the layer of peel ply perimetrically to the mould, using an adhesive tape (65); positioning a line of sealant (66) perimetrically above the adhesive tape around the fresh component; positioning a separator film (70) above the layer of peel ply so as to cover the layer of peel ply and the perimetric line of sealant; positioning a ventilation textile (80) perimetrically on the mould (12), this textile having an aperture (81) which is positioned so as to leave uncovered an underlying part substantially coinciding with the fresh component; and applying the vacuum bag for the polymerization cycle. The method includes also a preliminary compaction of successively deported layers of preimpregnated material.

IPC 8 full level

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CPC (source: EP US)

B29C 70/44 (2013.01 - EP US); **B29C 70/542** (2013.01 - EP US); **B29C 70/544** (2021.05 - EP)

Citation (search report)

See references of WO 2008135913A1

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